

VILTA

User Manual

V1.0 2017.12

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Packing List

- VILTA



- Portable Bag



- Charging Cable



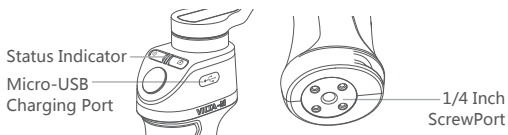
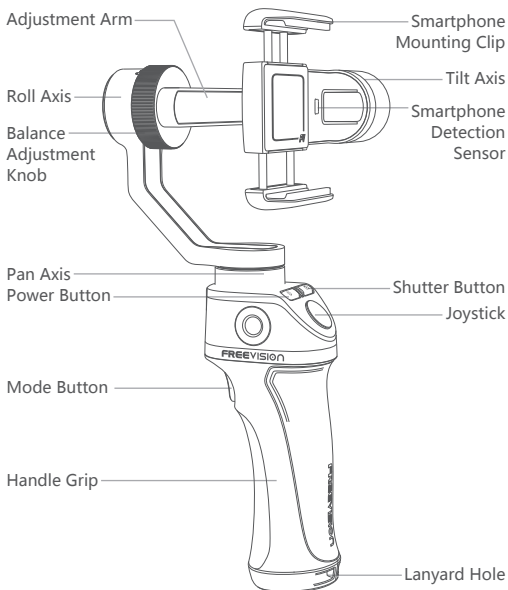
- Lanyard



- User Manual



Product Overview



App Installation

- Download App on Freevision's official website www.freevisiontech.com.
- For iOS user, search "FV Share" in App Store.



- For Android user, search "FV Share" in Google Play or scan below QR Code



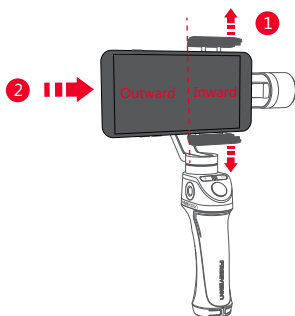
- Android 4.3 above or iOS 9.0 above required.

Smartphone Installation & Balance



- VILTA won't work unless mounting the phone. Smartphone detection can be closed in App.
- Always keep your phone well balanced in level prior to power on, or it will greatly affect working performance.

01 Smartphone Installation

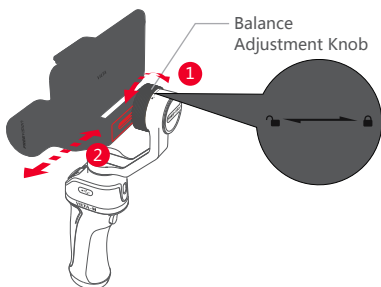


- 1 Pull open the smartphone mounting clip.
- 2 Put your phone in and keep it close to the tilt axis motor.

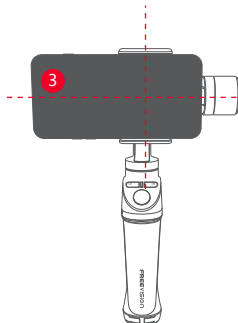


Please ensure back camera of phone is outward and not covered.

02 Smartphone Balance



- 1 Unscrew the balance adjustment knob.
- 2 Slightly move the adjustment arm.

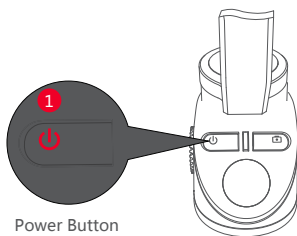


- 3 When your phone can stay level and balanced, screw up the balance adjustment knob.



Write scale of adjustment arm for easy reuse.

③ Power On/Off

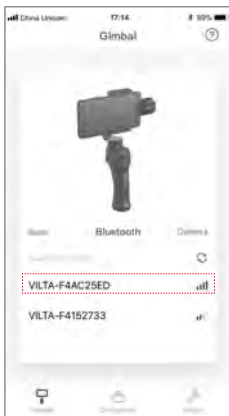


- 1 Long press power button for 3 seconds to power on/off.



If system halted, long press power button for 7.5 seconds to mandatory shutdown.

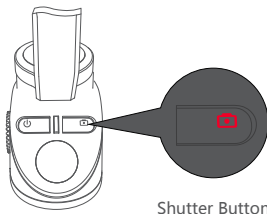
App Connection



- Turn on bluetooth and unlock the phone screen rotation. Ensure phone can be displayed horizontally.
- Open App, tap Connect to enter the device list. Choose your gimbal to connect.
- The light of shutter button will go out after successfully connected.

Control Panel Instruction

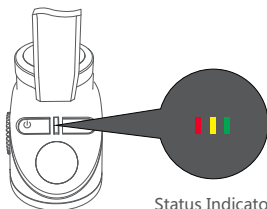
① Shutter Button



Shutter Button

Single Tap	Photo Mode	Take Photo
Double Tap	Selfie Mode	Front & Back Camera Switch
Long Press for 2s	Video Mode	Recording On/Off

② Status Indicator



Status Indicator

Red light glints
Green light glints

Warning (Abnormal Condition)
Busy/Auto Calibration



Abnormal conditions of VILT include absence of phone, motor damage, internal fault, etc.

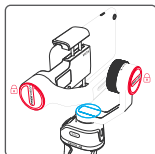
03 Mode Button

Mode Button



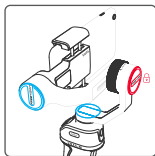
- Semi-follow Mode (default)
Single tap Mode Button
Status Indicator is yellow

Tilt and Roll Axes are locked.
Pan Axis smoothly moves
with handle.



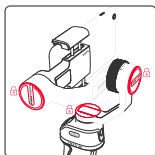
- Follow Mode
Double tap Mode Button
Status Indicator is red

Roll Axis is locked. Pan and Tilt Axes smoothly move with handle.



- Lock Mode
Quadruple tap Mode Button
Status Indicator is green

Tilt, Roll and Pan Axes are locked. Smartphone always keeps the current shooting direction.



- Center the smartphone
Triple tap Mode Button

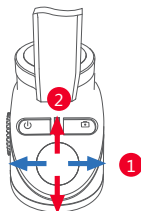
The smartphone returns to the front.

- Focusing

Long press Mode Button.



04 Joystick



Basic Function

- 1 When toggling joystick to left or right, VILTA will rotate corresponding level direction.
- 2 When toggling joystick upward or downward, VILTA will rotate corresponding vertical direction.



Direction of control can be modified in advanced setting of App.

Advanced Funtion

- Zoom—Long press mode button and toggle joystick upward or downward.
- Exposure—Long press mode button and toggle joystick left or right.
- Roll Axis Angle—Long press mode button and toggle joystick left or right.



Adjustment of exposure and roll axis angle can be swtiched in advanced setting of App.

⑤ Micro-USB Charging Port

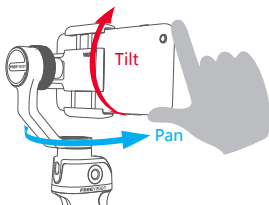


- When charging, status indicator alternately glints in red, yellow and green.
- When fully charged, the status indicator is green.
- Please apply charging cable with standard configuration to charge VILTA .
- When the power button glints, please charge VILTA .



When the charging current is 2A, it takes 2.0 hours to be fully charged, which allows 17 working hours. Datum come from laboratory test.

⑥ Manual



Directly adjust the shooting direction by hand. Manual mode can be turned off in VILTA App.

App Menu Introduction



01 General Settings

- Camera

Video Resolution, Panorama Quality

- Gimbal

Rotation Speed Settings, Dead Zone Settings, Mode Button+Toggle Joystick, Phone Detection, Gimbal Calibration, Reset All

- Joystick

Sensitivity, Speed, Dead Zone, Direction

- Information

Gimbal Battery Information, Gimbal Information, App

02 Gimbal Settings

- Scene Modes:

Walk Mode, Sport Mode, Custom Mode

- Follow Modes:

Follow Mode, Semi-follow Mode, Lock Mode

- Manual Mode

- Phone Charge

03 Camera Settings

- Camera Mode:

Time-lapse, Panorama, Long Exposure, Beauty, HDR, Filter, White Balance, Grid

- Video Mode:

Slow Motion, Beauty, Filters, Time Lapse, Motion Time Lapse, Motion Lapse, White Balance, Grid

04 Return

Tap  to return to App home page



05 Information

Gimbal Battery, Bluetooth Connection Status

06 Documents

Preview and storage location of photos and videos.

07 IntelliTrace

Tap  to turn on IntelliTrace. Tap  to turn off IntelliTrace. Frame the subject and VILTA will track in real time.



Answering a phone when recording or in IntelliTrace, the shooting will be automatically stopped.






08 Photo/Video Switch

Tap  to switch

09 Front/Back Camera Switch

Tap  to switch


10 Flashlight Status

- Display the current flashlight status
- Tap  to switch working state    

App Operation






Photo Mode

01 Panorama



Tap  to enter panorama. Choose 180°, 330°, 3*3, 3*5, VILTA will automatically shoot and compund panorama. Photo will be automatically saved to documents.

Video Mode


01 IntelliTrace

1. Tap  and choose sport mode in scene mode.
2. Tap  to start IntelliTrace. Frame the subject on your phone screen.
3. Tap  to start recording. VILTA wil intelligently identify and automatically track the subject to take video.
4. Tap  to exit recording. Tap  to exit IntelliTrace. Video will be automatically saved to documents.

02 Time Lapse

1. Switch to video mode. Tap  and choose time lapse.
2. Set shutter interval and time of duration. Tap Start.
3. Tap  to exit recording. Video will be automatically saved to documents.

03 Motion Time Lapse

1. Switch to video mode. Tap  and choose motion time lapse.
2. Set shooting points

Auto Mode




- Manually adjust phone to ideal shooting point. Take photo at that direction and it will be shown as shooting point A on App. Likewise, the rest shooting points can be done in the same approach.
- According to the shooting points, VILTA will automatically generate shooting path.
- Adjust smoothness of the shooting path.

Manual Mode



- Freely set the shooting path by directly drawing on your phone screen.
3. Set shutter interval and time of duration. Tap Start.




04 Slow Motion Video

1. Tap  and open Slow Motion.
2. Tap  to start recording. Tap  to exit recording. Videos will be automatically saved to documents.




11 Photo/Video Editing



1. Photo Editing

- Enter App home page and tap  on the bottom
- Tap  to choose the photo and editing (Filter, Beautify, Adjust, Mosaic, Crop, Paint)
- Tap  to confirm editing

2. Video Editing

- Enter App home page and tap  on the bottom.
Choose Videos
- Tap  to choose the video and editing (Add Video, Video Editing, Add Music, Filter, Adjust)
- Tap  to confirm editing

Specifications Parameter

Name	VILTA
Item No.	VT10
Dimensions	275*115*40mm(Folded)
Weight	520g
Supported Phones	Phones Width: 48 ~ 85mm

Technical Parameter

01 Mechanical Rotation Range

Tilt	$\pm 125^{\circ}$
Roll	$\pm 90^{\circ}$
Pan	360° (Infinite Rotation)

02 Controllable Rotation Range

Tilt	$\pm 115^{\circ}$
Roll	$\pm 45^{\circ}$
Pan	360° (Infinite Rotation)

03 Maximum Control Speed Adaptive Rotation Speed ($\pm 500^{\circ}/s$)

04 Accuracy

Static Accuracy

Tilt: 0.003°

Roll: 0.003°

Pan: 0.005°

Dynamic Accuracy

Tilt: 0.02°

Roll: 0.02°

Pan: 0.03°

05 Battery

Battery Type

Intelligent Lithium Battery

Voltage

7.4V

Working Current

Static: 100mA Dynamic: 5A

Battery Capacity

1900mAh

Energy

14.06Wh

Consumption

1W

Other Specification

Operating Temperature

$-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Wireless Type

Bluetooth 4.2

Warning

- Do not expose to fire or high heat
- Drop and collision will break VILTA. Please caution.
- Not water-proof. No water or liquid cleaning agent.
- Do not disassemble, repair or modify VILTA .
- Please apply charging cable complying with public safety regulation.
- Do not interfere VILTA operation when working.
- Not suitable for children.
- Not include smartphones.
- When mounting motion cameras, close the smartphone detection in App, or VILTA will not work.

Warranty Rules

From the purchase date, you enjoy free repair within 12 months with this card if it occurs any quality problems.

If your VILTA meets the following requirements, you can enjoy the warranty policy :

- If within 7 days of purchase and it occurs manufacturing defect, the customer can choose to have a full refund(based on the invoice price) or exchange the product for a new one;
- Within 1year of purchase, you can enjoy free repair if it is non man-made problem,
- The Product has not been refitted, disassembled or modified.
- Valid purchase proof is provided

Non Warranty Rules

If your VILTA falls under one of the following situations, we will charge appropriate maintenance cost :

- A man-made problem affecting the quality or product;
- Damage caused by refitting, disassemble, or opening of the shell;
- An uncontrollable incident (earthquake, fire, flood, war) resulting damage;
- Damage caused by not using as stated in the user manual

Warranty Information

- The customer is at first required to pay the product return delivery fee. After Freevision after-sale service center receives the product, it will undergo a test ;
- If the product does not conform to the conditions for free repair, Freevision will assess the problem and cost of repair, the customer has the right to repair or deliver it back.
- When you receive the repair service, please provide valid purchase proof and this warranty card. Please note: the warranty card only becomes valid after sale. The card can not be altered, or it will be deemed invalid.
- Freevision reserves the right of final interpretation.

Customer Information

Name: _____

TEL: _____

Zip Code: _____

Email: _____

Address: _____

Dealer Information

Name: _____

TEL: _____

Zip Code: _____

Email: _____

Address: _____

Product Information

Item No.: _____

Product Code: _____

Purchase Date: _____

Warranty Card

Inspection Date	Repair Date	Cause	Result	Technician Signature

IC WARNING

ISED RSS warning

This device complies with Industry Canada licence-exempt RSS standard (s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISEDc Radiation Exposure Statement:

This equipment complies with ISEDc RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est

conforme aux limites d'exposition de rayonnement RF ISEDc établies pour un environnement non contrôlé.

Cet émetteur ne doit pas être co-implanté ou fonctionner en conjonction avec toute autre antenne ou transmetteur.

FCC WARNING

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.




This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**RoHS**



Feel free to share your photos and videos with us
and we might put them on our website.

-  Facebook.com/FreevisionVILTA
-  Twitter.com/FreeVisionVILTA
-  instagram.com/freevision_vilta